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Appendix 1

Availability of medical staff (WTE) and beds in cardiology and cardiac surgery in E Anglian region (1987–1995)

	1987/88	1989/90	1991/92	1992/93	1994/95
Population >24 years ('000s)	1314	1369	1392	1412	1445
Cardiology					
● consultants	WTE per million	2.9 2.20	4.1 2.99	3.8 2.73	4.0 2.83
● non-consultants	WTE per million	5.0 3.81	5.0 3.65	6.0 4.31	7.0 4.25
● beds	number per million	30 22.8	30 21.9	30 21.6	33 21.2
Cardiac surgery					
● consultants	WTE per million	2.3 1.75	3.1 2.26	3.0 2.16	5.82 4.03
● non-consultants	WTE per million	6.0 4.57	6.0 4.38	7.0 5.03	11.0 5.67
● beds	number per million	31 23.6	33 24.1	38 27.3	45 29.7

Availability of medical staff (WTE) and beds in cardiology and cardiac surgery in N Western region (1987–1995)

	1987/88	1989/90	1991/92	1992/93	1994/95
Population > 24 years ('000s)	2582	2620	2657	2657	2681
Cardiology					
● consultants	WTE per million	9.0 3.48	9.0 3.44	9.0 3.38	10.0 3.76
● non-consultants	WTE per million	13.0 5.03	14.0 5.34	15.0 5.56	16.0 6.02
● beds	number per million	83 32.1	83 31.7	75 28.2	75 28.2
Cardiac surgery					
● consultants	WTE per million	11.9 4.61	11.9 4.54	12.9 4.86	11.9 4.48
● non-consultants	WTE per million	19.0 7.36	20.0 7.63	21.0 7.90	22.0 8.28
● beds	number per million	146 56.5	146 55.1	145 54.6	104 39.1

Availability of medical staff (WTE) and beds in cardiology and cardiac surgery in SE Thames region (1987–1995)

	1987/88	1989/90	1991/92	1992/93	1994/95
Population > 24 years ('000s)	2394	2432	2474	2474	2556
Cardiology					
● consultants	WTE per million	9.12 3.81	9.12 3.77	10.04 4.06	11.64 4.70
● non-consultants	WTE per million	20.0 8.35	20.0 8.22	21.5 8.69	20.5 8.29
● beds	number per million	81 33.8	75 29.6	75 30.3	84 34.0
Cardiac surgery					
● consultants	WTE per million	7.03 2.94	7.33 3.01	7.78 3.14	9.62 3.89
● non-consultants	WTE per million	18.0 7.52	18.0 7.40	22.0 8.89	23.0 9.30
● beds	number per million	77 32.2	75 30.8	70 28.3	69 27.9

Availability of medical staff (WTE) and beds in cardiology and cardiac surgery in Greater Glasgow region (1987–1995)

	1987/88	1989/90	1991/92	1992/93	1994/95
Population > 24 years ('000s)*	1690	1703	1715	1720	1742
Cardiology					
● consultants	WTE per million	7.7 4.56	7.6 4.46	7.6 4.43	7.4 4.30
● non-consultants	WTE per million	13.0 7.69	13.0 7.63	14.0 8.16	14.0 8.14
● beds	number per million	38 22.5	38 22.3	36 21.0	36 20.9
Cardiac surgery					
● consultants	WTE per million	4.7 2.78	4.7 2.75	5.3 3.09	6.3 3.66
● non-consultants	WTE per million	9.6 5.68	4.7 6.22	5.3 7.81	6.3 10.0
● beds	number per million	44 26.0	44 25.8	44 25.7	50 29.1

* Population includes residents of all health boards served by Glasgow tertiary care services: Greater Glasgow; Lanark; Ayr/Arran; Western Isles; Argyll/Clyde; Dunfries/Galloway; Firth Valley (0.5).

Appendix 2

Age-sex standardised rates (per million aged > 24 years) of CABG and PTCA in districts of E Anglian region: intraregional NHS cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Cambridge	239	349	377	507	628	599	12	101	158	205	285	349
Peterborough	244	196	332	407	477	783	22	66	51	96	98	259
W Suffolk	240	352	488	491	554	609	7	83	123	148	252	339
E Suffolk	124	155	281	371	458	452	11	97	87	143	251	176
Norwich	273	299	315	347	450	611	12	37	66	78	130	236
Yarmouth	130	182	192	212	282	462	8	56	40	64	104	74
W Norfolk	146	226	239	207	274	509	14	22	78	36	63	98
Huntington	298	382	568	641	548	824	17	26	195	223	291	431
Region	213	261	330	377	456	585	12	76	92	116	178	234
No per million total population	138	172	221	253	306	392	8	50	62	78	119	157

Age-sex standardised rates (per million aged > 24 years) of CABG and PTCA in districts of N. Western region: intraregional NHS cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Lancaster	188	299	105	287	309	448	26	103	100	100	128	167
Blackpool	460	444	510	588	669	579	55	61	66	30	217	297
Preston	276	286	385	457	257	538	88	85	112	12	72	72
Blackburn	164	205	310	324	421	347	40	80	74	74	133	139
Burnley	220	314	381	425	411	564	20	59	58	38	58	83
West Lancashire	143	261	419	418	204	556	28	85	102	76	64	118
Chorley	201	330	243	256	261	518	16	53	66	66	43	116
Bolton	261	314	336	409	506	483	25	77	18	81	75	157
Bury	402	454	390	374	539	751	114	44	68	141	142	193
North Manchester	350	575	433	545	570	691	97	187	134	149	156	190
Central Manchester	951	1091	949	1077	931	1005	225	482	280	469	184	127
South Manchester	445	584	772	537	718	631	91	157	130	130	299	251
Oldham	256	267	298	260	271	435	49	64	22	64	82	108
Rochdale	349	458	559	722	618	606	23	97	67	252	171	213
Salford	153	313	424	342	375	630	150	168	130	195	187	199
Stockport	409	482	575	433	455	552	118	66	125	134	148	169
Tameside	286	564	530	485	487	478	114	141	156	104	101	102
Trafford	306	288	542	440	448	531	116	117	181	142	165	248
Wigan	253	312	428	476	508	555	83	111	112	95	177	136
Region	315	402	461	471	493	580	76	106	99	115	144	173
No per million total population	205	261	304	311	325	389	49	69	65	76	95	116

Age-sex standardised rates (per million aged > 24 years) of CABG and PTCA in districts of SE Thames region: intraregional NHS cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Brighton	332	340	434	508	628	488	74	156	220	307	296	430
Eastbourne	149	218	249	345	465	439	37	95	263	303	297	445
Hastings	393	507	485	475	599	597	64	213	239	270	463	634
SE Kent	276	330	357	383	478	568	151	136	173	238	356	335
Canterbury/Thanet	175	281	285	401	407	550	22	149	163	284	261	286
Dartford/Gravesend	479	447	512	510	677	625	41	151	482	513	462	365
Maidstone	280	313	558	542	826	568	168	334	516	575	650	498
Medway	355	342	336	443	447	502	20	151	259	182	237	258
Tunbridge Wells	498	409	344	354	459	451	90	95	268	243	288	358
Bexley	542	668	775	674	881	902	62	687	854	1195	956	804
Greenwich	610	756	786	760	964	1246	141	660	1109	1443	1467	1274
Bromley	173	191	312	388	528	684	81	239	265	383	383	716
W Lambeth	119	374	344	335	435	452	107	101	267	252	254	401
Camberwell	442	556	727	791	951	600	329	274	673	1096	1185	1095
Lewisham/N Southwark	415	539	615	579	547	600	227	277	396	490	337	651
Region	339	392	448	475	589	599	102	235	377	476	477	534
No per million total population	224	263	300	318	395	401	67	157	253	319	320	358

Age-sex standardised rates (per million aged > 24 years) of CABG and PTCA in districts of G Glasgow region: intraregional NHS cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Greater Glasgow	526	541	855	879	799	1031	188	226	316	301	240	328
Lanarkshire	377	360	475	513	650	404	75	162	186	203	222	207
Ayr/Arran	411	467	578	672	550	649	61	79	195	220	197	228
Region	461	475	687	730	704	769	130	177	252	256	225	272
No per million total population	295	309	453	482	465	515	83	115	166	169	149	182

Appendix 3

Age-sex standardised rates (per million aged > 24 years) of CABG and PTCA in districts of E Anglian region: intra- and extra-regional NHS cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Cambridge	239	349	382	515	633	605	12	101	158	205	285	359
Peterborough	244	196	346	407	477	791	22	66	51	96	98	259
W Suffolk	240	352	495	505	561	609	14	83	123	155	259	339
E Suffolk	124	159	294	394	462	457	11	97	87	152	260	181
Norwich	273	304	321	355	450	613	12	37	66	81	139	236
Yarmouth	130	182	192	212	294	469	8	56	40	70	104	74
W Norfolk	146	226	239	221	274	523	14	22	78	36	63	98
Huntington	298	382	568	641	548	838	17	261	195	223	294	431
Region	213	261	332	387	459	590	13	76	92	120	183	235
No per million total population	138	172	222	259	308	395	8	50	62	80	123	157

Age-sex standardised rates (per million aged > 24 years) of CABG and PTCA in districts of N Western region: intra- and extra-regional NHS cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Lancaster	188	310	105	287	309	448	26	103	100	100	128	167
Blackpool	460	444	513	592	669	583	55	61	71	30	217	353
Preston	278	286	397	457	257	538	88	85	112	12	72	72
Blackburn	164	205	316	324	421	347	40	80	74	85	133	139
Burnley	220	399	446	458	450	582	26	59	78	38	58	83
West Lancashire	257	318	535	504	424	625	71	155	141	142	131	187
Chorley	201	339	251	256	261	518	16	53	66	73	43	125
Bolton	261	314	336	409	512	483	25	77	18	68	76	157
Bury	402	463	390	382	539	751	128	44	78	141	142	202
North Manchester	350	575	433	557	570	691	97	187	134	160	144	190
Central Manchester	951	1091	949	1077	931	1005	239	482	296	469	184	127
South Manchester	445	584	782	537	727	592	91	138	130	130	299	251
Oldham	256	267	305	260	279	435	49	64	22	64	82	108
Rochdale	364	480	567	722	618	606	23	97	67	252	171	221
Salford	153	313	437	342	375	643	150	168	130	195	187	199
Stockport	409	476	575	427	455	558	118	66	125	134	148	169
Thameside	286	564	530	485	487	478	114	141	156	110	101	102
Trafford	313	288	542	440	448	531	116	117	181	142	172	248
Wigan	259	312	450	493	521	607	83	111	117	102	183	146
Region	319	411	483	478	504	590	78	107	102	119	146	182
No per million total population	207	267	312	315	333	395	51	70	67	79	96	122

Age-sex standardised rates (per million aged > 24 years) of CABG and PTCA in districts of SE Thames region: intra- and extra-regional NHS cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Brighton	332	349	459	518	628	492	74	161	234	307	301	430
Eastbourne	149	237	271	428	475	451	33	101	283	323	320	457
Hastings	393	540	503	495	608	599	81	249	248	270	463	634
SE Kent	281	341	373	404	494	579	151	136	173	238	361	345
Canterbury/Thanet	175	292	299	362	411	541	26	154	173	299	261	291
Dartford/Gravesend	485	509	527	531	683	633	41	152	489	513	475	365
Maidstone	287	328	595	556	849	576	183	350	540	617	657	498
Medway	360	346	347	476	456	513	20	151	263	195	251	263
Tunbridge Wells	498	431	366	376	481	465	97	95	275	257	325	380
Bexley	555	727	825	709	888	910	62	694	862	1195	998	817
Greenwich	610	763	802	760	1012	1254	141	668	1117	1450	1475	1297
Bromley	187	339	495	537	801	872	96	263	303	412	456	816
W Lambeth	137	731	830	996	544	452	119	222	543	378	351	477
Camberwell	450	604	779	867	1029	732	346	292	698	1111	1226	1154
Lewisham NS	425	573	641	635	557	616	227	281	423	496	342	661
Region	344	439	503	540	631	628	107	248	401	490	499	554
No per million total population	227	294	337	362	423	421	71	166	269	328	334	371

Age-sex standardised rates (per million aged > 24 years) of CABG and PTCA in districts of G Glasgow region: intra- and extra-regional NHS cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Greater Glasgow	526	541	857	882	799	1031	188	226	316	306	240	328
Lanarkshire	377	360	475	513	650	404	75	162	186	203	222	207
Ayr/Arran	411	467	578	672	550	649	61	79	195	220	197	228
Region	461	475	687	734	704	769	130	177	253	258	225	272
No per million total population	295	309	453	484	465	515	83	115	167	170	149	182

Appendix 4

Age-sex standardised rates (per million > 24 years) of CABG and PTCA in districts of E Anglian region: private cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Cambridge	24	65	97	120	62	107	12	33	51	78	125	113
Peterborough	7	58	89	102	75	102	0	0	0	50	22	29
W Suffolk	42	82	101	50	101	116	0	0	13	41	52	91
E Suffolk	14	60	71	140	101	97	0	10	14	56	63	58
Norwich	26	38	66	74	75	85	0	9	14	8	31	72
Yarmouth	14	21	55	20	38	62	0	21	0	0	7	12
W Norfolk	7	33	36	49	28	84	0	0	0	0	29	22
Huntington	0	92	118	69	142	78	0	13	75	0	77	103
Region	19	52	75	81	75	93	2	11	18	30	49	62
No per million total population	12	34	50	54	50	62	1	7	12	20	33	42

Age-sex standardised rates (per million > 24 years) of CABG and PTCA in districts of N Western region: private cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Lancaster	11	21	22	53	80	66	0	23	11	0	34	20
Blackpool	13	17	86	55	47	84	0	0	0	16	22	13
Preston	24	24	24	24	84	24	25	12	0	0	0	0
Blackburn	40	17	74	23	70	108	17	40	29	23	17	12
Burnley	27	33	84	46	62	88	0	0	0	12	19	6
West Lancashire	28	41	40	68	203	83	0	13	0	37	40	42
Chorley	16	52	98	28	67	109	15	8	7	16	15	7
Bolton	36	47	64	92	53	166	19	6	30	48	16	11
Bury	132	103	126	192	163	188	0	18	42	68	87	18
North Manchester	55	11	35	84	46	46	0	11	0	0	0	24
Central Manchester	0	14	31	57	30	14	0	0	14	14	16	43
South Manchester	123	118	63	55	129	136	9	18	0	46	9	10
Oldham	48	22	64	58	128	112	0	14	21	0	22	0
Rochdale	74	51	84	109	111	204	0	7	0	59	37	22
Salford	31	39	90	71	65	179	0	13	20	20	6	13
Stockport	138	131	119	137	217	230	10	35	48	75	65	15
Tameside	25	41	90	91	80	133	12	0	5	17	34	29
Trafford	103	90	128	134	168	165	42	48	67	82	20	26
Wigan	31	34	61	85	90	93	10	20	10	30	5	18
Region	52	50	81	83	102	132	9	16	19	33	26	17
No per million total population	34	33	53	55	67	88	6	10	13	22	17	11

Age-sex standardised rates (per million > 24 years) of CABG and PTCA in districts of G Glasgow region: private cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Greater Glasgow	19	65	55	183	117	161	0	8	45	25	2	32
Lanarkshire	0	0	0	0	47	44	0	0	0	0	0	14
Ayr/Arran	0	20	0	0	45	13	0	0	0	0	0	12
Region	10	37	27	90	81	121	0	3	22	12	1	22
No per million total population	6	24	18	59	53	81	0	2	15	8	1	15

Appendix 5

Age-sex standardised rates (per million > 24 years) of CABG and PTCA in districts of E Anglian region: NHS and private cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Cambridge	263	415	479	632	695	712	23	135	209	283	410	472
Peterborough	251	261	436	509	552	893	22	66	51	146	120	288
W Suffolk	283	435	595	554	662	725	14	83	135	197	310	430
E Suffolk	138	219	365	533	564	554	11	107	101	208	323	239
Norwich	300	343	387	430	525	698	12	46	80	89	170	308
Yarmouth	144	203	247	232	333	531	8	77	40	70	111	86
W Norfolk	154	259	275	271	302	606	14	22	78	36	92	120
Huntington	298	489	686	710	689	917	17	27	270	223	371	534
Region	232	313	407	468	534	683	15	87	110	150	232	297
No per million total population	150	207	273	314	358	458	10	57	74	101	155	195

Age-sex standardised rates (per million > 24 years) of CABG and PTCA in districts of N Western region: NHS and private cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Lancaster	198	331	128	340	389	514	26	125	111	100	161	187
Blackpool	472	461	600	647	715	667	55	61	71	46	239	366
Preston	299	322	421	481	340	562	113	96	112	12	72	72
Blackburn	204	222	391	348	491	455	58	119	103	108	150	151
Burnley	247	432	530	504	512	670	26	60	78	50	77	89
West Lancashire	302	359	575	572	628	713	71	168	141	204	171	229
Chorley	216	391	350	284	327	627	30	61	72	90	58	132
Bolton	297	362	400	502	565	649	43	83	47	126	92	168
Bury	534	566	516	574	702	939	128	62	120	203	229	220
North Manchester	406	585	469	641	616	737	97	198	134	161	156	214
Central Manchester	951	1105	980	1134	962	1019	239	482	310	445	200	170
South Manchester	568	702	845	593	856	728	100	156	130	153	307	261
Oldham	304	289	368	317	407	547	49	79	43	62	103	108
Rochdale	438	531	651	831	730	810	23	104	67	302	208	243
Salford	184	352	528	413	440	822	150	180	150	214	193	212
Stockport	547	608	694	570	671	788	128	101	173	208	213	184
Tameside	311	604	619	576	567	611	126	141	161	127	135	131
Trafford	416	378	670	574	616	696	158	165	247	222	192	274
Wigan	284	346	511	578	611	700	93	131	126	133	188	164
Region	371	461	554	561	606	722	87	123	121	152	172	199
No per million total population	241	300	366	370	400	483	57	80	80	100	114	133

Age-sex standardised rates (per million > 24 years) of CABG and PTCA in districts of G Glasgow region: NHS and private cases

District	CABG						PTCA					
	87/88	89/90	91/92	92/93	93/94	94/95	87/88	89/90	91/92	92/93	93/94	94/95
Greater Glasgow	546	606	912	1065	918	1192	188	235	361	331	242	360
Lanarkshire	377	360	475	513	697	449	75	162	186	203	222	222
Ayr/Arran	411	467	578	672	595	780	61	79	195	220	197	240
Region	471	507	713	822	785	890	130	181	275	271	226	294
No per million total population	301	330	471	543	518	596	83	118	182	179	149	197

Appendix 6

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